



Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <http://about.jstor.org/participate-jstor/individuals/early-journal-content>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.



THE GREAT SLEET STORM.

**MISSOURI
BOTANICAL GARDEN.**

TWELFTH ANNUAL REPORT.

**ST. LOUIS, MO.:
PUBLISHED BY THE BOARD OF TRUSTEES.
1901.**

BOARD OF TRUSTEES OF THE MISSOURI BOTANICAL GARDEN.

President,
RUFUS J. LACKLAND.

Vice-President,
HENRY HITCHCOCK, LL.D.

JOSEPH W. BRANCH.

JOHN GREEN, M. D.

JOHN B. JOHNSON, M. D.

DAVID F. KAIME.

GEORGE A. MADILL.

LEONARD MATTHEWS.

WILLIAM H. H. PETTUS.

JAMES E. YEATMAN.

WINFIELD S. CHAPLIN,
Chancellor of Washington University.*

EDMUND A. ENGLER,
President of the Academy of Science
of St. Louis.*

JOHN A. HARRISON,¹
President of the Board of Public
Schools of St. Louis.*

DANIEL S. TUTTLE,
Bishop of the Diocese of Missouri.*

ROLLA WELLS,²
Mayor of the City of St. Louis.*

A. D. CUNNINGHAM, Secretary.

* *Ex-officio.*

¹ Elected President of the Board of Public Schools of St. Louis, October 9, 1900, to succeed C. M. Woodward, who had held that office for one year.

² Elected Mayor of the City of St. Louis, April 2, 1901, to succeed Henry Ziegenhein, who was elected to that office April 6, 1897.

P R E F A C E .

Under direction of the Board of Trustees, the twelfth annual report of the Missouri Botanical Garden is presented to the public.

The eleventh report was issued February 3, 1900. Separates from the present volume were issued on the dates noted: Von Schrenk, A disease of the black locust, February 10, 1901; Ferguson, Crotons of the United States, February 16, 1901; Toumey, An undescribed Agave from Arizona, April 6, 1901; Trelease, A cristate Pellaea, April 6, 1901; Trelease, A Pacific-slope palmetto, April 16, 1901.

These reports are sent to scientific institutions and journals, in exchange for publications and specimens desirable for the library, herbarium or collection of living plants of the Garden, and, when possible, reprints of the botanical articles they contain are presented to botanists occupied with a study of the subjects these refer to. Any of the Garden publications not out of print may be purchased at approximately the cost of publication from A. I. Eriksson, Tufts College, Mass.; R. Friedländer & Sohn, Berlin, Germany; W. Wesley & Son, London, England; or the undersigned.

WILLIAM TRELEASE.

ST. LOUIS, Mo., May 10, 1901.

(3)

C O N T E N T S .

| | PAGE. |
|--|-------|
| 1. REPORTS FOR THE YEAR 1900:— | |
| a. Report of the Officers of the Board | 7 |
| b. Twelfth Annual Report of the Director | 12 |
| 2. SCIENTIFIC PAPERS:— | |
| a. A disease of the black locust (<i>Robinia Pseudacacia, L.</i>).— <i>By Hermann von Schrenk</i> | 21 |
| b. Crotons of the United States.— <i>By A. M. Ferguson</i> | 33 |
| c. An undescribed <i>Agave</i> from Arizona.— <i>By J. W. Toumey</i> | 75 |
| d. A cristate <i>Pellaea</i> .— <i>By William Trelease</i> | 77 |
| e. A Pacific-slope palmetto.— <i>By William Trelease</i> | 79 |
| f. Garden beans cultivated as esculents.— <i>By H. C. Irish</i> | 81 |

(5)

LIST OF ILLUSTRATIONS.

Frontispiece: The great sleet storm.

| | | |
|--|--------------|-----|
| A winter scene | Facing p. | 7 |
| Among the Aloes | " " | 12 |
| The Octopus plant | " " | 17 |
| A group of Iris | " " | 19 |
| Plates 1-3, Disease of the Black Locust | Following p. | 31 |
| Plates 4-31, Crotons of the United States | " " | 73 |
| Plates 32-33, <i>Agave Treleasii</i> | " " | 76 |
| Plate 34, <i>Pellaea atropurpurea cristata</i> | " " | 77 |
| Plates 35-37, <i>Sabal Uresana</i> | " " | 80 |
| Plates 38-47, Garden beans | " " | 165 |